Approved For Release 2002/08/28: CIA-RDP63-00313A000500020066-3 25X1 Copy of of NRO REVIEW COMPLETED 4 Cetaber 1962 PERCEASED FOR I Deputy Director (Research) t Recerta on Lookbood Prolinteary Douten SURJECT Study of Lantet Grove l. A conclusive evaluation of this proposal cornect be made on the basis of the preliminary and incomplete data presented in the Lookbeed reports however, a few cheervations are presented on certain design features. 2. Several medicalizary studies have been made by lookheed and others to evolve a drone version of the U-2 sireraft and Lockwood has made a preliminary study of a drose version of the basic A-12 strenaft. In the U-2 case, the study results showed warginal foundatility; in the A-12 case Lockheed believes a drone version could be built, however, the Government has not established a firm view. 3. In the surpost report Lockheed proposes a staged excidination of a mulified A-12 as lameber and a ranjet powered reconnaissence draws recommande voltage. The drope configuration is A5 feet long, twenty feet wing spen, and 14,000 pounds launch weight. 4. In 1950-57, when this Agency was sponsoring Descibility studies which loss to the present CECANT progress, a proliminary development was for a similar staged corducted with 25X1 but mileted recognitionance aircraft using the 3-52 as a laureber and a resist recommissence sirerest of 47 feet length, 37 feet wing open, and 38,000 posses gross weight. The difference in size and weight of the 25X1 25X1 alreraft vs. the current Lockbood proposal is explained by the 25X1 round performent tabulations Lockbook staged drong Renge after leanth Creditor street Crades Altitudes project was enneedled in 1959 largely because 25X1 of the operational complexities and leaser reliability of such a staged system

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as compared to an unstaged aircraft.

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6. By way of epocific remarks on the Lockbeed drone proposal the following can be said:	
a. Climination of the damper of capture of a pilot has obvious political advantages above and beyond a technical appraisal of the sort attempted bare. Measure, it must be remainded that in an opergrowy situation the actresse of high temperature and typaric pressure encountered in the A-12 case as against the U-2 mean that exergency situations involving the A-12 are more sewers in terms of pilot murdival than these involving a U-2 type sireraft.	
h. The drone proposal provides a 300 pound seems paylond allowance in a volume several times smaller than that available in the A-12. Comman for the A-12 are about 600 pounds in weight. Past experience with semma paylond designs	0EV4
proved that space restrictions do not allow covers designers sufficient latitude to obtain photographic resolutions and ground coverage equal to that expected from the A-I2. We essure design has been included in the Lockhood report and hause no quantitative comparison can be said however, the drame webtale could not be expected to equal photographic resolution, ground coverage, and other desirable photographic features enticipated from the 4-I2.	25X1
c. The rampet power plant installation as proposed includes an inlet dust of about 35 ft. length. Even if a production rampet were	
suitable in terms of thrust, weight, and fuel consumption, an extensive duct development must be anticipated for the proposed installation.	25X1

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Tockedesi Analysis and Engineering Staff
COLUMN

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